AMSAT News Service Weekly Bulletins
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AMSAT NEWS SERVICE
ANS-205

The AMSAT News Service bulletins are a free, weekly news and information service of AMSAT, The Radio Amateur Satellite Corporation. ANS publishes news related to Amateur Radio in Space including reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

The news feed on http://www.amsat.org publishes news of Amateur Radio in Space as soon as our volunteers can post it.

Please send any amateur satellite news or reports to: ans-editor [at] amsat.org

You can sign up for free e-mail delivery of the AMSAT News Service Bulletins via the ANS List; to join this list see: https://mailman.amsat.org/postorius/lists/ans.amsat.org/

In this edition:

* Call for Papers - 2022 AMSAT Space Symposium & Annual General Meeting
* May/June 2022 Issue of The AMSAT Journal Now Available
* New Satellites Now In Orbit
* Changes to the AMSAT TLE Distribution for July 21, 2022
* ARISS News
* Upcoming Satellite Operations
* Hamfests, Conventions, Maker Faires, and Other Events
* Satellite Shorts From All Over

ANS-205 AMSAT News Service Weekly Bulletins

To: All RADIO AMATEURS
From: Radio Amateur Satellite Corporation
712 H Street NE, Suite 1653
Washington, DC 20002

DATE 2022 Jul 24

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of interest to the amateur satellite community. We request a tentative title of your presentation as soon as possible, with final copy submitted by October 14 for inclusion in the symposium proceedings. Abstracts and papers should be sent to Dan Schultz, N8FGV at n8fgv at amsat.org

[ANS thanks Dan Schultz, N8FGV, AMSAT Symposium Proceedings Editor, for the above information]

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The 2022 AMSAT President's Club coins have arrived!
To commemorate the 50th anniversary of its launch on October 15, 1972, this year's coin features an image of AMSAT-OSCAR 6.
Join the AMSAT President's Club today and help Keep Amateur Radio in Space!
https://www.amsat.org/join-the-amsat-presidents-club/

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May/June 2022 Issue of The AMSAT Journal Now Available

The May/June 2022 issue of The AMSAT Journal is now available to members on AMSAT’s Member Portal at https://launch.amsat.org/The_AMSAT_Journal

The AMSAT Journal is a bi-monthly digital magazine for amateur radio in space enthusiasts, published by the Radio Amateur Satellite Corporation (AMSAT). Each issue is your source for hardware and software projects, technical tips, STEM initiatives, operational activities, and news from around the world.

Inside the Current Issue:

+ Apogee View – Robert Bankston, KE4AL
+ Educational Relations Update - Alan Johnston, KU2Y
+ Using Recovered National Weather Service RS-41 Radiosondes for Amateur Radio High Altitude Balloons - David White, WD6DRI, Randy Standke, KO6RS, Kerry Banke, N6IZW, Jim McLaughlin, KI6ZUM, Phil Karn, KA9Q, Gene Swiech, WB9COY, Alan Johnston, Ph.D, KU2Y
Spotlight on the APRS Satellites - Keith Baker, KB1SF/VA3KSF
+ AMSAT 2022 Board of Directors Election - Paul Stoetzer, N8HM
+ Hamvention 2022 Photos

[ANS thanks AMSAT for the above information]

New Satellites Now In Orbit

On July 13th, several satellites with amateur radio payloads were launched on the inaugural launch of ArianeSpace's Vega-C rocket. The satellites were placed into a circular MEO orbit of approximately 5,900 km with a 70 degree inclination.

The AstroBio and Greencube satellites carry amateur digipeater packages that may be useful for long-distance QSOs.

On July 21st, Russian cosmonaut Oleg Artemyev and ESA astronaut Samantha Cristoforetti conducted an EVA during which they released ten Radioskaf CubeSats into orbit. SSTV and audio signals have been received from many of these satellites so far.

RS10S (aka SWSU-55 No. 1 & R-390 (SWGU No. 5))
Telemetry: 437.050 MHz 1200 bps AX.25 AFSK

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     Payload: 437.050 MHz 1200/2400/4800 bps AX.25 AFSK, SSTV, AUDIO, TEXT

RS11S (aka SWSU-55 No. 2 (SWGU No. 6))
     Telemetry: 437.050 MHz 1200 bps AX.25 AFSK
     Payload: 437.062 MHz 1200/2400/4800 bps AX.25 AFSK, SSTV, AUDIO, TEXT

RS1S (aka SWSU-55 No. 3 (SWGU No. 7))
     Telemetry: 437.050 MHz 1200 bps AX.25 AFSK
     Payload: 437.075 MHz 1200/2400/4800 bps AX.25 AFSK, SSTV, AUDIO, TEXT

RS2S (aka SWSU-55 No. 4 (SWGU No. 8))
     Telemetry: 437.050 MHz 1200 bps AX.25 AFSK
     Payload: 437.082 MHz 1200/2400/4800 bps AX.25 AFSK, SSTV, AUDIO, TEXT

RS3S (aka SWSU-55 No. 5 (SWGU No. 9))
     Telemetry: 437.050 MHz 1200 bps AX.25 AFSK
     Payload: 437.100 MHz 1200/2400/4800 bps AX.25 AFSK, SSTV, AUDIO, TEXT

RS4S (aka SWSU-55 No. 6 (SWGU No. 10))
     Telemetry: 437.050 MHz 1200 bps AX.25 AFSK
     Payload: 437.087 MHz 1200/2400/4800 bps AX.25 AFSK, SSTV, AUDIO, TEXT

RS5S (aka SWSU-55 No. 7 & R-390 (SWGU No. 11))
     Telemetry: 437.050 MHz 1200 bps .AX25 AFSK
     Payload: 437.1125 MHz 1200/2400/4800 bps .AX25 AFSK, SSTV, AUDIO, TEXT

RS6S (aka SWSU-55 No. 8 (SWGU No. 12))
     Telemetry: 437.050 MHz 1200 bps AX.25 AFSK
     Payload: 437.000 MHz 1200/2400/4800 bps AX.25 AFSK, SSTV, AUDIO, TEXT

RS9S (aka Tsiolkovsky-Ryazan 1)
     Telemetry: 437.050 MHz 1200 bps AX.25 AFSK
     Payload: 437.025 MHz 1200 bps AX.25 AFSK, SSTV, AUDIO, TEXT

RS12S (aka Tsiolkovsky-Ryazan 2)
     Telemetry: 437.050 MHz 1200 bps AX.25 AFSK
     Payload: 437.0125 MHz 1200 bps AX.25 AFSK, SSTV, AUDIO, TEXT

More information about these satellites can be found at
https://r4uab.ru/2022/07/21/kosmonavt-oleg-artemev-s-borta-mks-zapustil-rossijskie-sputniki-po-programme-ke-radioskaf/

[ANS thanks PE0SAT, ST2NH, and R4UAB for the above information]

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Changes to the AMSAT TLE Distribution for July 21, 2022

The following satellites have been added to this week's AMSAT-NA TLE
distribution:

MTCube 2         NORAD Cat ID 53106 (Thanks to Nico Janssen, PA0DLO for
identification).
AstroBioCubeSat  NORAD Cat ID 53107 (Thanks to Nico Janssen, PA0DLO for
identification).
GREENCUBE        NORAD Cat ID 53109 (Thanks to Nico Janssen, PA0DLO for
identification).
CELESTA          NORAD Cat ID 53111 (Thanks to Nico Janssen, PA0DLO for
identification).
CTIM NORAD Cat ID 52950 (Thanks to Nico Janssen, PA0DLO for identification).

[ANS thanks Ray Hoad, WA5QGD, AMSAT Orbital Elements Manager for the above
information]
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Quick Hits:

W8LR: EM98 EM99 possible 7.27 – if you need either or both of these grids contact me via DM or w8lr(a)twc.com . I will not have a schedule and all passes, if any, will have to be pop-up and last minute unless on a sked. Sorry.

N5LEX: FM03 for those that need it Friday (7/22) Afternoon and evening passes 2022-07-22 FM and Linear, avoiding AO-91 at 1600. Can arrange AO-07 at 18:20 for Germany/Netherlands etc.. More details to come

VE3FU / VO2AC: July 25 to August 8 I'll be on vacation in VO1. I'm hoping to activate the following grids: GN07, GN08, GN09, GN18, GN19, GN29, GO10, GO11, & GO21. I'll be VO1FUA. Holiday style. Linears and FM. I'll do my best to post on Twitter before each pass.

VE3FU / VO2AC: Saturday July 23 I'll be on from FN67 early in the morning and making stops in FN66 and FN65. I'll be VE3FU/9 in all 3 grids. I'll do my best to post here before each pass.

VE3FU: Friday July 22 I'll be passing through FN46 and FN57 on my way to FN67 for the night. I should be in FN46 ~14Z-16Z and FN57 ~18Z-20Z. FN67 will be later in the evening. I'll be VE2FUA in FN46, VE2FUA or VE3FU/9 in FN57, and VE3FU/9 in FN67.

W3IPA: DM42 vacation planned for Jul 30- Aug 6th will be on FM passes vacation style. I will be close to DM41 so might be able to work a gridline. Will post more updates closer to that week!

AD0HJ: will at EN22/23 and will be available on the late afternoon / early evening of Tuesday July 26th? Not sure who else needs either of those grids.

N8MR: Will be in EN57 with frequent roves to EN56 and EN67 Aug 6-13. Listening for EU, Car, SA CA. Prefer linear sats, FM sats poss. Sked depends on wx, etc.

EA7TN: Will be operating FM sats from FK58sr as HI7/EA7TN from July 21st to 29th. Holiday style, just an FT-4X and an Arrow from the beach.

Major Roves:
AD0HJ is heading out again!: Will be attending a work training event during the week of August 1st in Hesston, KS. Look for me to activate several grid squares via satellite on my trip down there and back. Pass schedules posted on Twitter and on the http://hams.at website.

Grids: EN11/21, EN10/20, EM18/19, EM16/17.

KX9X & N9NCY Wild West Rove: Sean and Nancy's Wild West Rove has been scaled back, but is still going forward. They will now be on the road from July 13-25 while hiking in National Parks. They will travel through seven states and 38 grids, planning activation on FM and linear satellites. Extensive operation in Montana and North Dakota in the Canadian border grids beginning July 20. There will also be 6 meter and occasional HF POTA activity as well.

Grids they will pass through, in order:
DN28 – 38: July 16th to the 20th.

Remaining Grids from July 20 to 24.

DN48 – 58 – 68 – 78 – 88 – 87 – 97 – 96 – 95

EN05 – 06 – 16 – 15 – 25 – 26 – 25 – 35

EN34 – 33 – 32 – 42 – 41 – 40 – 50

Complete info on their trip can be found on their website
https://www.wildwestrove.com/

SAT DXPEDITION BARBADOS ISLAND 2022

EA4NF, Philippe will be operating as 8P9NF on LEO Satellites from BARBADOS, in the Lesser Antilles of the West Indies and the most easterly of the Caribbean Islands.

Philippe will operate using his portable LEO sat station (Yaesu FT818ND+Yaesu FT817ND) and Arrow antenna added to a Walkie Kenwood TH-d7 and a whip antenna to cover short, mid and long distances on both modes (FM & SSB)

Great opportunity to contact this very rare DXCC on satellites.

§ August 8-12, 2022

§ DXCC : BARBADOS

§ Grids : GK03

§ IOTA : NA-021

§ FM & Linear SATS

§ QSL as 8P9NF on LoTW

INFO on Twitter: @EA4NF_SAT

[ANS thanks Paul Overn, KE0PBR, AMSAT rover page manager, for the above information]

Hamfests, Conventions, Maker Faires, and Other Events

AMSAT Ambassadors provide presentations, demonstrate communicating through amateur satellites, and host information tables at club meetings, hamfests, conventions, maker faires, and other events.

+ Satellite Educators Association 35th Annual Convention
Friday, July 29, 2022 to Saturday, July 30, 2022
California State University, Los Angeles and on-line
www.sated.org

Fredric Raab, KK6NOW, will be presenting “Classroom Activities with the AMSAT CubeSat Simulator” showcasing the work by the CubeSatSim Educational Materials Team: Paul Graveline, K1YUB, Alan Johnston, KU2Y, Fredric Raab, KK6NOW, Mark Samis, KD2XS and David White, WD6DRI.

+ HamXposition
August 27-28, 2022
Marlborough, MA
https://hamxposition.org/

+ 2022 Rocky Mountain ARRL Division Convention
October 7, 2022 – October 9, 2022
Event Center at Archer
3921 Archer Pkwy
Cheyenne, Wyoming 82007
https://wyhamcon.org/site

[ANS thanks Paul Overn, KE0PBR, AMSAT Events page manager, for the above information]

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This strained relations with ESA and NASA above and beyond the diplomatic tensions already caused by the unprovoked invasion. On the same day as his dismissal, Roscosmos and NASA signed a long-anticipated seat exchange agreement to fly ‘integrated crews’ to the ISS aboard Crew Dragon and Soyuz. First flights including members of the opposite agency will be this fall with Crew-5 and Soyuz MS-22. Rogozin’s replacement is Yuri Borisov, a long-time figure in Russian defense and politics. (ANS thanks The Orbital Index for the above information)

Join AMSAT today at https://launch.amsat.org/

In addition to regular membership, AMSAT offers membership to:

* Societies (a recognized group, clubs or organization).
* Primary and secondary school students are eligible for membership at one-half the standard yearly rate.
* Post-secondary school students enrolled in at least half time status shall be eligible for the student rate for a maximum of 6 post-secondary years in this status.
* Memberships are available for annual and lifetime terms.

Contact info [at] amsat.org for additional membership information.

73 and remember to help Keep Amateur Radio in Space!

This week's ANS Editor,

Paul Stoetzer, N8HM
n8hm at amsat dot org